

<b>Examiner-Initiated Interview Summary</b>	Application No. 09/599,005	Applicant(s) KAMINAGA ET AL.	
	Examiner Kambiz Zand	Art Unit 2132	

**All Participants:**

(1) Kambiz Zand.

(2) Carl brundidge.

**Date of Interview:** 15 June 2006

**Type of Interview:**  
☒ Telephonic  
☐ Video Conference  
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)  
**Exhibit Shown or Demonstrated:** ☐ Yes ☒ No  
 If Yes, provide a brief description:

**Status of Application:** Allowed

(3) \_\_\_\_\_

(4) \_\_\_\_\_

**Time:** PM

**Part I.**

Rejection(s) discussed:  
*independent claims in the light of IDS filed.*

Claims discussed:  
*independent claims*

Prior art documents discussed:  
*IDS references filed on 01/18/2006*

**Part II.**


SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:  
*See Continuation Sheet*

**Part III.**

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

  
**KAMBIZ ZAND**  
**PRIMARY EXAMINER**


  

(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: Examiner discussed the IDS filed after notice of allowance with Mr. Carl Brundidge. Examiner explained that two of the references reads on applicant's claim language and proposed an amendments to the claims in order to expedite the process and avoid withdrawal of application from issue. the propose amendments sent by e-mail to Mr. brundidge is enclosed. It was agreed during the conversation that a reply be given by Monday 19th of June including any proposed change by applicant. On Tuesday June 20, Mr. brundidge approved the examiner amendments in order to expedite the process. the agreed limitation to be added into independent claims is as follow:

"wherein the sum of the amount of power consumed by a charging and discharging device and the amount of power as a current flowing through any signal line of the memory device is fixed by utilizing bits inversion of a digital signal representing the data and supplying the signal to an electrical charge and discharge device; wherein the signal line is electrically charged and discharged with the encrypted data different from an original data; and reducing the power consumption".



KAMBIZ ZAND  
PRIMARY EXAMINER

## Zand, Kambiz

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**From:** Carl Brundidge [cbrundidge@msmbpatentlaw.com]  
**Sent:** Tuesday, June 20, 2006 6:10 PM  
**To:** Zand, Kambiz  
**Subject:** RE: 09/559,005

Dear Examiner Zand,

I apologize for the delay. I agree to your proposed amendment. Please enter by Examiner's amendment.

Thanks.

Best regards,

Carl I. Brundidge  
Mattingly Stanger Malur & Brundidge P.C.  
(703) 684-1120  
(703) 684-1157 (Fax)

-----Original Message-----

From: Zand, Kambiz [mailto:Kambiz.Zand@USPTO.GOV]  
Sent: Friday, June 16, 2006 8:26 PM  
To: Carl Brundidge  
Subject: 09/559,005

Dear Sir,

per our earlier conversation i have drafted the following limitation to be incorporated into independent claims. If agree please let me know so i can do an examiner amendments and forward a supplemental notice of allowance. The amendments is require in order to overcome the IDS filed after notice of allowance.

the limitation to be added at the end of the last paragraph of the independent claims:

wherein the sum of the amount of power consumed by a charging and discharging device and the amount of power as a current flowing through any signal line of the memory device is fixed by utilizing bits inversion of a digital signal representing the data and supplying the signal to an electrical charge and discharge device; wherein the signal line is electrically charged and discharged with the encrypted data different from an original data; and reducing the power consumption.

please inform me by Monday afternoon at the latest. I have made the above draft based on the specification pages 1-20. If you do not agree and drafting your own please be advised that that the applicant has mentioned in the specification that the combination of the 4 method he outlined is the key to increase the security where he mentions the uniformity of the power consumption by bits inversion as one method and the wherein the signal line is electrically charged and discharged with the encrypted data different from an original data as another method is in harmony with the limitations of the independent claims. I combine the two since the independent claims do the transfer and encryption and

storing and tangible result is the reduction of the power consumption and increase security based on the above limitations for increasing the difficulty of the predictability of the keys or secrets through observation of the power consumption by the intruder.

Since the Applicant's provided IDS reads on the claim language the above draft was drafted after completion of the search over prior art and the references in the IDS. at this late stage the broadening of the claim not possible and if a satisfactory agreement is not reached, examiner is obliged to withdraw the notice of allowance from issue and render a rejection based on the references in the IDS that was provided by the Applicant after the mailing of the notice of allowance.

respectfully

Kambiz Zand  
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